

PV Modules LC Series

High-efficiency PV Modules



LORENTZ LC Series PV Modules are high quality, high efficiency modules which are proven for use in off grid applications.

LC Series Modules are used in a wide range of applications including water pumping, water purification systems and anywhere that a reliable, robust PV module is required.

The LC Series modules are built with sturdy aluminium frames, advanced EVA encapsulation and triple layer backsheets to meet the most stringent safety requirements.

Benefits

- Known good quality modules from a recognised supplier
- Tested with LORENTZ solar pumping systems which reduces project risk
- Module specifications included as standard in LORENTZ COMPASS solar planning software and kept up to date
- LORENTZ guarantee

Features

- High conversion efficiency
- Pre-wired junction box with connectors for "plug and play"
- Reliable bypass diodes to prevent overheating and minimise power loss from shading
- Manufactured in an ISO 9001:2000 certified factory

| | Pmax | Cells | Tolerance | Imp | Vmp | Isc | Voc | Temperature co-efficient for | | | Max. System Voltage | Size | Weight |
|------------------|------|-------|-----------|------|------|------|------|------------------------------|--------|--------|---------------------|-------------------|--------|
| | | | | | | | | Pmax | Voc | Isc | | | |
| LC Series | [Wp] | | [%] | [A] | [V] | [A] | [V] | [%/°C] | [%/°C] | [%/°C] | [V] | [in] | [lb] |
| LC100-M36 | 100 | 36 | +5/0 | 5.35 | 18.7 | 5.72 | 23.0 | -0.40 | -0.33 | 0.05 | 1,000 | 47.1 × 21.7 × 1.4 | 17.9 |
| LC150-P36 | 150 | 36 | +5/0 | 7.98 | 18.8 | 8.50 | 22.7 | -0.42 | -0.34 | 0.06 | 1,000 | 58.7 × 26.5 × 1.6 | 26.5 |
| LC205-M72 | 205 | 72 | +5/0 | 5.49 | 37.4 | 5.86 | 45.8 | -0.40 | -0.33 | 0.05 | 1,000 | 62.2 × 31.8 × 1.6 | 32.6 |
| LC250-P60 | 250 | 60 | +5/0 | 8.23 | 30.4 | 8.81 | 37.6 | -0.42 | -0.34 | 0.06 | 1,000 | 65.0 × 39.1 × 1.6 | 40.8 |
| LC260-P60 | 260 | 60 | +5/0 | 8.35 | 32.2 | 8.83 | 37.9 | -0.42 | -0.34 | 0.06 | 1,000 | 65.0 × 39.1 × 1.4 | 40.8 |
| LC300-P72 | 300 | 72 | +5/0 | 8.21 | 36.5 | 8.80 | 45.1 | -0.42 | -0.34 | 0.06 | 1,000 | 77.0 × 39.1 × 1.6 | 48.1 |
| LC310-P72 | 310 | 72 | +5/0 | 8.25 | 37.6 | 8.84 | 45.7 | -0.42 | -0.34 | 0.06 | 1,000 | 77.0 × 39.1 × 1.6 | 48.5 |

*) PV modules at standard test condition: AM = 1.5, E = 1,000W/m², cell temperature: 25 °C

To find out more visit www.lorentz.de

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All specifications and information are given with good intent, errors are possible and products may be subject to change without notice. Pictures may differ from actual products depending on local market requirements and regulations. A pump system consists of a controller, motor and pump end. Multiple pumps/ pump ends are shown to represent the wide range of pumps (over 70) that LORENTZ has.

Sun. Water. Life.